

Water for life and livelihoods

**Guide to the River Basin
Management Plan annexes**

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1. Introduction

The River Basin Management Plans are supported by a number of annexes which contain more detail than we have put into the main plan. The annexes provide additional information on requirements, approaches and results from analyses. We have done this to keep the main plans short and readable while providing the more detailed information which many stakeholders have asked for.

This notes summarises what is in each annex and also notes where you can find the information that the Water Framework Directive requires.

You can also look at 'What's in your backyard' on our website. This sets out environmental data and maps for England and Wales at a local level, including information for river basin management plans:

- <http://maps.environment-agency.gov.uk/wiyby/wiybyController?ep=maptopics&lang=e>

2. Annex A: Current state of waters in the River Basin District

This annex includes maps that show the surface water body types that are present in the river basin district with an overview of the types and their reference conditions. It includes maps of the network of monitoring stations and, separately, the results of the monitoring programme showing the status classification of water bodies.

3. Annex B: Objectives for waters in the River Basin District

This annex sets out in detail the objectives for each water body and, where required, the reason for setting an alternative objective. The current status of the water body and the individual elements are listed along with the environmental outcomes that the actions in the river basin management plan will deliver for each status element. If appropriate, the reason for designation of the water body as artificial or heavily modified is provided. It notes if all or part of the water body lies within a designated protected area.

For groundwater it identifies trends and threshold values for substances (as a reference for consideration of the significance of the concentration of a pollutant) and at which point action should be taken to reverse an upward trend. The annex notes any new (sustainable) physical modifications that are proposed, where these may cause deterioration, and the measures proposed to limit any impact.

4. Annex C: Actions to deliver objectives

This gives the actions (programmes of measures) that are relevant to each sector, which will reduce the pressure on the water environment and deliver the objectives of the river basin management plan. It notes the pressure that is being addressed, what will happen, where and when the action will take place, and the lead and partner organisations involved.

The sector is the one that may be causing the pressure or is being affected by an action. The sector may be taking action or its activities may be affected by an action implemented by others. Some actions are noted against more than one sector.

5. Annex D: Protected areas objectives

This describes drinking water protected areas and protected areas established under other directives. It summarises their location, monitoring network and objectives, as well as the current state of compliance with their objectives. It sets out Natura 2000 protected area actions and actions for surface water drinking water protected areas.

6. Annex E: Actions appraisal

This annex describes the process used to identify and appraise the actions (measures) and to develop water body objectives for the first cycle of river basin management. It also provides details on the justifications for setting any alternative objectives. It includes some consideration of climate change in terms of carbon and how Strategic Environmental Assessment (SEA) requirements have been taken into account.

7. Annex F: Mechanisms for action

This annex describes the mechanisms (i.e. policy, legal, financial tools) that are currently available or which are proposed, for delivering measures needed to achieve Water Framework Directive objectives. It notes:

- mechanisms that available for implementing basic measures under the Water Framework Directive, including the key directives that are referred to in the Water Framework Directive;
- the ongoing activities that are controlled through these mechanisms that, although they were not put in place specifically to help achieve Water Framework Directive objectives, will help to maintain the status of water bodies;
- how these existing mechanisms, and new mechanisms, can be used to put in place supplementary measures that need to be taken to achieve Water Framework Directive objectives.

8. Annex G: Pressures and risks

This annex summarises significant water management issues, the pressures these give rise to and the impact that human activity may have on the status of surface water and groundwater within the river basin district. This takes into account point and diffuse source pressures, abstraction and flow regulation pressures, physical modifications and other human activities. The annex considers the scale of the pressures in the river basin district and their causes.

9. Annex H: Adapting to climate change

This annex sets out some key information from the UK Climate Impact Programme on projected climate changes and qualitatively describes how these may change the risks from current pressures on the water environment and the achievement of Water Framework Directive objectives. It qualitatively describes any risks to the benefits that the measures identified in the river basin management plan will deliver as a consequence of-changes to the risks from current pressures. It identifies, in a general sense, if and where adaptation of measures needs to happen, and reviews any particular issues there may be for the river basin district. It does not discuss how introduction of measures may increase climate change risk, which is contained in the Strategic Environmental Assessment (SEA) report.

10. Annex I: Designating artificial and heavily modified water bodies

This annex presents a generic summary of the criteria and process we have used for recommending the designation of water bodies as artificial or heavily modified.

11. Annex J: Aligning other key processes to river basin management

This annex identifies:

- the need and requirement to align water related planning and management processes to deliver more sustainable outcomes for the water environment;
- where and how relevant policies, planning processes, management processes, programmes and initiatives, for key processes, are being better aligned;
- where further work is required by external public and other key organisations to better align these activities.

12. Annex K: Summary of economic analysis of water use

This annex sets out the work that has been done on economic analysis of water use by the Environment Agency, Defra, Welsh Assembly Government and stakeholders, and summarises the findings.

13. Annex L: Consultation and engagement

This annex describes the steps taken nationally and within the river basin districts to ensure that the first river basin management plans have been produced through consultation and engagement with interested parties. It covers:

- An overview of the steps taken to ensure that information is accessible to the public and stakeholders;
- A list of the consultations that have taken place and how we have used the responses to inform the development of the first river basin management plans;
- An overview of the different sectors involvement in the planning process.

14. Annex M: Competent authorities

This sets out the names and addresses of competent authorities for river basin management within the river basin district, and a note of their legal status and responsibilities. The annex also gives, for external enquirers, our contact points and procedures for obtaining background documentation and information.

15. Annex N: Glossary

This gives a list of terms and abbreviations used in the river basin management plan.

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|--|--|---|
| WFD Annex VII: River Basin Management Plans | | |
| | <ul style="list-style-type: none"> - temporary deterioration - failure due to alterations / new modifications beneficial to human health / safety / sustainable development. • Article 4 sets out the environmental objectives for surface waters, groundwater and protected areas. Articles 4(4), 4(5), (4(6) and 4(7) deal respectively with the circumstances where there may be extensions to deadlines, less stringent objectives, temporary deterioration, or failure to achieve good status or potential or to prevent deterioration | |
| A.6 | <p>A summary of the economic analysis of water use as required by Article 5 & Annex III</p> <ul style="list-style-type: none"> • Article 5 is concerned with economic analysis of water use (as well as characteristics of the river basin district and the environmental impact of human activity) • Annex III sets out the requirements for economic analysis, which should: <ul style="list-style-type: none"> ○ Take account of the principle of recover of costs of water services; and ○ Make judgements about the most cost effective combination of measures | Annex K Annex E |
| A.7.1-7.11 | <p>A summary of the programme or programmes of measures adopted under Article 11, including the ways in which the objectives established under Article 4 are thereby to be achieved</p> <ul style="list-style-type: none"> • Article 11 sets out the requirements for establishing a programme of measures to achieve the objectives set out in Article 4. Measures should include basic measures as specified in part A of annex VI (see below), measures set out in Article 11(3) (see below) and supplementary measures • Article 4 sets out the environmental objectives for surface waters, groundwater and protected areas | Annex B – Objectives Annex C – Programme of measures Annex D – surface water drinking water protected areas and Natura 2000 protected areas Annex F – Basic measures |

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|--|---|--|
| WFD Annex VII: River Basin Management Plans | | |
| A.7.1 | A summary of the measures required to implement Community legislation for the protection of water | Annex F |
| A.7.2 | <p>A report on the practical steps and measures taken to apply the principle of recovery of the costs of water use in accordance with Article 9</p> <ul style="list-style-type: none"> Article 9 requires an economic analysis in accordance with annex III, taking of the principle of the recovery of costs of water use and the polluter pays principle. Regard may also be given to the social, environmental and economic effects of the recovery of costs, as well as geographic and climatic conditions | <p>Annex K</p> <p>See also Annex E</p> |
| A.7.3 | <p>A summary of the measures taken to meet the requirements of Article 7;</p> <ul style="list-style-type: none"> Article 7 requires the identification and protection of water bodies currently, or that may be, used for the abstraction of drinking water (more than 10 m³/d or more than 50 persons) | <p>Annex C – Programme of measures</p> <p>Annex D – surface water drinking water protected areas and Natura 2000 protected areas</p> <p>Annex F – Basic measures</p> |
| A.7.4 | A summary of the controls on abstraction and impoundment of water, including reference to the registers and identifications of the cases where exemptions have been made under Article 11(3)(e) (see below); | <p>Annex C –Programme of measures</p> <p>Annex F – Basic measures</p> |
| A.7.5 | A summary of the controls adopted for point source discharges and other activities with an impact on the status of water in accordance with the provisions of Article 11(3)(g) and 11(3)(i) (see below); | <p>Annex C –Programme of measures</p> <p>Annex F – Basic measures</p> |
| A.7.6 | An identification of the cases where direct discharges to groundwater have been authorised in accordance with the provisions of Article 11(3)(j) (see below); | Annex F |

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|--|--|---|
| WFD Annex VII: River Basin Management Plans | | |
| A.7.7 | <p>A summary of the measures taken in accordance with Article 16 on priority substances;</p> <ul style="list-style-type: none"> Article 16 notes that the European Parliament and Council shall adopt specific measures against pollution of water by individual pollutants or groups of pollutants presenting a significant risk to or via the aquatic environment | <p>Annex C – Programme of measures Annex F – Basic measures</p> |
| A.7.8 | <p>A summary of the measures taken to prevent or reduce the impact of accidental pollution incidents;</p> | <p>Annex C –Programme of measures Annex F – Basic measures</p> |
| A.7.9 | <p>A summary of the measures taken under Article 11(5) for bodies of water which are unlikely to achieve the objectives set out under Article 4;</p> <ul style="list-style-type: none"> Article 4 sets out the environmental objectives for surface waters, groundwater and protected areas Article 11(5) requires further actions to be initiated where data indicate that the objectives described in Article 4 are unlikely to be achieved (except in the case of <i>force majeure</i>) including investigations, review of authorisations and monitoring programmes, and establishing of additional measures | <p>Annex C –Programme of measures Annex F – Basic measures</p> |
| A.7.10 | <p>Details of the supplementary measures identified as necessary in order to meet the environmental objectives established;</p> | <p>Annex C</p> |
| A.7.11 | <p>Details of the measures taken to avoid increase in pollution of marine waters in accordance with Article 11(6);</p> <ul style="list-style-type: none"> Article 11(6) requires that Member States shall take appropriate steps not to increase pollution of marine waters. Measures may not lead to increased pollution of surface waters (except where this requirement would result in increased pollution of the environment as a whole) | <p>Annex C –Programme of measures Annex F – Basic measures</p> |

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|--|---|--|
| WFD Annex VII: River Basin Management Plans | | |
| A.8 | A register of any more detailed programmes and management plans for the river basin district dealing with particular sub-basins, sectors, issues or water types, together with a summary of their contents | There are no more detailed programmes of this type. (Annex J covers other types of plans and programmes) |
| A.9 | A summary of the public information and consultation measures taken, their results and the changes to the plan made as a consequence; | Annex L |
| A.10 | <p>A list of competent authorities in accordance with WFD Annex I</p> <ul style="list-style-type: none"> • Annex I requires information for the competent authority on: <ul style="list-style-type: none"> - name and address; - geographical coverage of the river basin district; - legal status; - responsibilities; - membership (if coordinating other competent authorities, e.g. SEPA / Welsh Assembly Government / Defra); | Annex M |

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|--|---|--------------------------|
| Article 11(3) on basic measures | | |
| | <p>Basic measures relate to:</p> <ul style="list-style-type: none"> 11(3)(a) implementation of Community legislation (set out in Part A of Annex VI) 11(3)(b) recovery of costs for water services 11(3)(c) efficient and sustain able water use 11(3)(d) protection of waters used for the abstraction of drinking water (Article 7) 11(3)(e) abstraction of fresh surface water and groundwater and impoundment of fresh surface water 11(3)(f) artificial recharge or augmentation of groundwater bodies 11(3)(g) point sources liable to cause pollution 11(3)(h) diffuse sources liable to cause pollution 11(3)(i) hydromorphological conditions 11(3)(j) direct discharges of pollutants into groundwater 11(3)(k) priority substances 11(3)(l) accidental pollution incidents | Annex F – Basic measures |

| Annex or Article | Water Framework Directive Requirement | Where in the RBMP |
|---|--|--------------------------------|
| Annex VI: Lists of measures to be included within the programmes of measures | | |
| Part A | <p>Measures required under the following Directives:</p> <ul style="list-style-type: none"> (i) The Bathing Water Directive (76/160/EEC); (ii) The Birds Directive (79/409/EEC); (iii) The Drinking Water Directive (80/778/EEC) as amended by Directive (98/83/EC); (iv) The Major Accidents (Seveso) Directive (96/82/EC); (v) The Environmental Impact Assessment Directive (85/337/EEC); (vi) The Sewage Sludge Directive (86/278/EEC); (vii) The Urban Waste-water Treatment Directive (91/271/EEC); (viii) The Plant Protection Products Directive (91/414/EEC); (ix) The Nitrates Directive (91/676/EEC); (x) The Habitats Directive (92/43/EEC); (xi) The Integrated Pollution Prevention Control Directive (96/61/EC). | Annex F – Basic measures |
| Part B | <p>Sets out a non-exclusive list of supplementary measures which Member States within each river basin district may choose to adopt as part of the programme of measures required under Article 11(4).</p> <ul style="list-style-type: none"> • Article 11(4) notes that supplementary, measures are those measures designed and implemented in addition to the basic measures, with the aim of achieving the objectives established pursuant to Article 4 (Environmental objectives). | Annex C –Programme of measures |